

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A liquid composition which can undergo radicalic polymerization into organic glass comprising the following components:

1) the product obtained from the transesterification of diallyl carbonate (A) with a blend of one or more linear or branched aliphatic diols (B), containing from three to ten carbon atoms in the molecule, with a linear or branched aliphatic polyol (C), containing from four to twenty carbon atoms and from three to six hydroxyl groups in the molecule with the proviso that polyol (C) is not tris(hydroxy-ethyl) isocyanurate; said component 1) being present in an overall concentration ranging from 70 to 100% by weight with respect to the total weight of the mixture of components 1) and 2);

2) one or more co-monomers of the acrylic, methacrylic, vinylic or allylic type and mixtures thereof, in an overall concentration ranging from 0 to 30% weight with respect to the total weight of the mixture of components 1) and 2);

3) a polymerization initiator or a mixture of two or more polymerization initiators, stable at room temperature, belonging to the group of peroxides and selected from di(4-t-butyl-cyclohexyl)peroxy-dicarbonate (BCHPC) and dibenzoyl-peroxide, in an overall concentration ranging from 0.03 to 0.1 moles per 1 kg of final composition, with the proviso that when component 2) is absent, di(4-t-butyl-cyclohexyl)peroxy-dicarbonate (BCHPC) is used in combination with dibenzoyl-peroxide.

Claim 2 (Currently Amended): The liquid composition according to claim 1, ~~characterized in that~~ wherein the molar ratio A/(B+C) ranges from 2/1 to 5/1 and the amount of (C) in the mixture (B+C) is equal to or lower than 25% by weight on the total of said mixture (B+C).

Claim 3 (Currently Amended): The liquid composition according to claim 1, ~~characterized in that~~ wherein the molar ratio A/(B+C) ranges from 2.5/1 to 4/1 and the amount of (C) in the mixture (B+C) ranges from 5% weight to 20% by weight on the total weight of said mixture (B+C).

Claim 4 (Currently Amended): The liquid composition according to claim 1, ~~characterized in that~~ wherein the diols (B) are at least one selected from the group consisting of diethylene glycol, triethylene glycol, tetraethylene glycol, 1,4-butanediol, 1,6-hexanediol, 1,3-propanediol, neopentyl glycol, dipropylene glycol, 2,2,4-trimethyl-1,3-pentanediol[[,]] and 1,4-cyclohexane dimethanol.

Claim 5 (Currently Amended): The composition according to claim 4, ~~characterized in that~~ wherein the diols are diethylene glycol and neopentyl glycol.

Claim 6 (Currently Amended): The composition according to claim 1, ~~characterized in that~~ wherein the ~~polyols~~ polyol (C) ~~are~~ is at least one selected from the group consisting of pentaerythrite, ~~trimethyl propane~~ trimethylol propane, dipentaerythrite[[,]] and di-trimethylol propane.

Claim 7 (Currently Amended): The composition according to claim 6, ~~characterized in that~~ wherein the ~~polyols~~ polyol (C) ~~are~~ is at least one selected from the group consisting of pentaerythrite[[,]] and trimethylol propane.

Claim 8 (Currently Amended): The composition according to ~~any of the previous claims, characterized in that~~ claim 1, wherein component 1) it; obtained starting from diallyl carbonate (A) and the mixture (B+C), operating under transesterification conditions, at a temperature ranging from 80 to 160°C, in the presence of an alkaline-type catalyst, continuously eliminating the allyl alcohol which is formed as reaction by-product.

Claim 9 (Currently Amended): The composition according to claim 8, ~~characterized in that~~ wherein the transesterification is carried out at a temperature ranging from 90 to 130°C and the alkaline catalyst is at least one selected from the group consisting of hydroxides, carbonates and alcoholates of alkaline metals, organic bases[[,]] and basic ion exchange resins.

Claim 10 (Currently Amended): The composition according to claim 9, ~~characterized in that~~ wherein the catalyst is at least one selected from the group consisting of sodium hydroxide, sodium carbonate[[,]] and sodium methylate.

Claim 11 (Currently Amended): The composition according to ~~any of the previous claims from 8 to 10, characterized in that~~ claim 8, wherein the catalyst is used in an amount at least equal to 1 ppm (parts per million by weight) with respect to the sum of the weights of components (B+C).

Claim 12 (Currently Amended): The composition according to claim 11, ~~characterized in that~~ wherein the catalyst is used in amounts ranging from 0.01% to 0.3% by weight.

Claim 13 (Currently Amended): The composition according to ~~any of the previous claims from 8 to 12, characterized in that~~ claim 8, wherein the transesterification reaction is carried out at pressure values ranging from 60 mbar to 1030 mbar and for reaction times of between 0.5 and 20 hours.

Claim 14 (Currently Amended): The composition according to claim 13, ~~characterized in that~~ wherein the transesterification reaction is carried out at pressure values ranging from 60 to 500 mbar.

Claim 15 (Currently Amended): The composition according to claim 13, ~~characterized in that~~ wherein the transesterification reaction is carried, out, with reaction times ranging from 0.5 to 3 hours.

Claim 16 (Currently Amended): The composition according to claim 1, ~~characterized in that~~ wherein component 2) is selected from the group consisting of methyl. methacrylate, vinyl acetate, vinyl esters of versatic acids 9 and 10 known on the market as VeoVa 9 and VeoVa 10, triallyl cyanurate, triallyl isocyanurate, diallyl maleate, diallyl fumarate, diallyl isophthalate, diallyl terephthalate and mixtures thereof.

Claim 17 (Currently Amended): The composition according to claim 1, ~~characterized in that~~ wherein component 2) is present in an overall concentration ranging from 1 to 20% weight in the mixture of Components 1) and 2).

Claim 18 (Currently Amended): The composition according to ~~any of the previous claims, characterized in that it~~ claim 1, wherein the composition contains one or more

conventional additives, such as antioxidants, light stabilizers, lubricants, dyes, pigments, UV-absorbers, IR-absorbers, and similar, in a total amount in any case not higher than 1 part by weight for every 100 parts by weight of the compositions.

Claim 19 (Currently Amended): The composition according to ~~any of the previous claims, characterized in that it~~ claim 1, wherein the composition is transformed into the relevant organic glass by operating at a temperature ranging from 30 to 120°C, with polymerization times varying from 1 hour to 100 hours.

Claim 20 (Currently Amended): ~~Organic~~ An organic glass obtained by the polymerization of a composition according to ~~any of the previous claims~~ claim 1.

Claim 21 (Currently Amended): An article comprising the organic glass as claimed in claim 20, wherein the article is ophthalmic ~~Ophthalmic~~ lenses, sun glasses, protective shields, display windows, manifolds and solar and photo-voltaic panels, substrates for optical disks, display panels and video-terminals ~~which can be obtained by the processing of the organic glass according claim 20.~~